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(Original Signature of Member)

116TH CONGRESS
2D SESSION

H. R. _____

To direct the Director of the Cybersecurity and Infrastructure Security Agency to establish a School Cybersecurity Clearinghouse, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Ms. MATSUI introduced the following bill; which was referred to the Committee on _____

A BILL

To direct the Director of the Cybersecurity and Infrastructure Security Agency to establish a School Cybersecurity Clearinghouse, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may cited as the “Enhancing K-12 Cyberse-

5 curity Act”.

6 **SEC. 2. SCHOOL CYBERSECURITY CLEARINGHOUSE.**

7 (a) ESTABLISHMENT.—The Director of the Cyberse-

8 curity and Infrastructure Security Agency shall establish

1 a publicly accessible website (to be known as the “School
2 Cybersecurity Clearinghouse”) to disseminate information,
3 best practices, and grant opportunities in accordance with
4 subsection (b) and section 2(e).

5 (b) DUTIES.—In establishing the School Cybersecu-
6 rity Clearinghouse under subsection (a), the Secretary
7 shall—

8 (1) engage appropriate Federal, State, local,
9 and nongovernmental organizations to identify, pro-
10 mote, and disseminate information and best prac-
11 tices for local educational agencies (as defined in
12 section 101 of the Elementary and Secondary Edu-
13 cation Act of 1965 (20 U.S.C. 8101)) with respect
14 to cybersecurity, data protection, remote learning se-
15 curity, and student online privacy; and

16 (2) maintain a searchable database for an ele-
17 mentary school, secondary school, local educational
18 agency, State educational agency, and educational
19 service agency to find and apply for funding oppor-
20 tunities (including the opportunity provided under
21 section 3) to improve cybersecurity.

22 (c) CONSULTATION.—In carrying out the duties
23 under subsection (b), the Secretary shall consult with the
24 following:—

25 (1) The Secretary of Education.

1 (2) The Director of the National Institute of
2 Standards and Technology.

3 (3) The Federal Communication Commission.

4 (4) The Director of the National Science Foun-
5 dation.

6 (5) The Federal Bureau of Investigation.

7 (6) State and local leaders, including, when ap-
8 propriate, Governors, members of State legislatures
9 and State boards of education, local educational
10 agencies, representatives of Indian tribes, teachers,
11 principals, other school leaders, charter school lead-
12 ers, specialized instructional support personnel,
13 paraprofessionals, administrators, other staff, and
14 parents.

15 **SEC. 3. CYBERSECURITY REGISTRY.**

16 (a) IN GENERAL.—The Director of the Cybersecurity
17 and Infrastructure Security Agency shall establish a vol-
18 untary registry of information relating to cyber attacks
19 on elementary schools and secondary schools.

20 (b) USE.—Information in the registry established
21 pursuant to subsection (a) may be used to—

22 (1) improve data collection and coordination ac-
23 tivities related to the nationwide monitoring of the
24 incidence and financial impact of cyber attacks on
25 elementary schools and secondary schools;

1 (2) conduct analyses regarding trends in cyber
2 attacks against such schools;

3 (3) develop systematic approaches to assist such
4 schools in preventing and responding to cyber at-
5 tacks;

6 (4) increase the awareness and preparedness of
7 elementary school and secondary school administra-
8 tors regarding the cybersecurity of such schools; and

9 (5) identify, prevent, or investigate cyber at-
10 tacks on elementary schools and secondary schools.

11 (c) INFORMATION COLLECTION.—The Director of the
12 Cybersecurity and Infrastructure Security Agency may
13 collect information relating to cyber attacks on schools to
14 store in the registry established pursuant to subsection
15 (a). Such information may be submitted by schools and
16 may include the following:

17 (1) The dates of each cyber attack, including
18 the dates on which each such attack was initially de-
19 tected and the dates on which each such attack was
20 first reported.

21 (2) A description of each cyber attack which
22 shall include whether each such attack was as a re-
23 sult of a breach, malware, distributed denial of serv-
24 ice attack, or other method designed to cause a vul-
25 nerability.

1 (3) The effects of each cyber attack, including
2 descriptions of the type and size of each such attack.

3 (4) Other information determined relevant by
4 the Secretary.

5 (d) ACCESS.—The Director of the Cybersecurity and
6 Infrastructure Security Agency may make information
7 submitted to the registry established pursuant to sub-
8 section (a) available to relevant law enforcement agencies,
9 and State and local government agencies, as determined
10 appropriate, for the purpose identified in subsection
11 (b)(5).

12 (e) REPORT.—The Director of the Cybersecurity and
13 Infrastructure Security Agency shall make available on
14 the School Cybersecurity Clearinghouse established under
15 section 1, an annual report relating to cyber attacks on
16 elementary schools and secondary schools which includes
17 data, and the analysis of such data, in a manner that—

18 (1) is—

19 (A) de-identified; and

20 (B) presented in the aggregate; and

21 (2) at a minimum, protects personal privacy to
22 the extent required by applicable Federal and State
23 privacy laws.

1 **SEC. 4. K-12 CYBERSECURITY HUMAN CAPACITY GRANT**
2 **PROGRAM.**

3 (a) ESTABLISHMENT.—The Director of the National
4 Science Foundation, acting through the Director of the
5 Office of Advanced Cyberinfrastructure, shall establish a
6 program (to be known as the “K–12 Cybersecurity
7 Human Capacity grant program”) to make grants avail-
8 able to eligible entities to address cybersecurity risks and
9 threats to information systems of elementary schools and
10 secondary schools through—

11 (1) expanded workforce capacity and develop-
12 ment; and

13 (2) improved network and cyberinfrastructure.

14 (b) APPLICATIONS.—An eligible entity applying for a
15 grant under the program shall submit to the Director a
16 proposal that includes the following:

17 (1) A description of how the proposed cyberse-
18 curity capacity improvements will be conceived, de-
19 signed, and implemented to meet local needs. Such
20 description shall take the form of a coherent cyber-
21 security strategy and approach for a school, district,
22 or region such that such strategy and approach are
23 integrated horizontally (intra-school, district, or re-
24 gion) and vertically (regionally and nationally) with
25 cybersecurity investments and best practices.

1 (2) A plan for increasing the ability of edu-
2 cational leaders to prevent, recognize, and address
3 cybersecurity threats.

4 (3) An assessment of the sustainability of the
5 activities under such proposal in light of any recur-
6 ring operational and engineering costs associated
7 with such activities.

8 (4) A plan to address the relevant cybersecurity
9 issues and challenges implicated by the activities
10 under such plan which includes issues or challenges
11 pertaining to data integrity, privacy, network secu-
12 rity measures, federated access and identity manage-
13 ment, and infrastructure monitoring.

14 (c) FEDERAL SHARE.—The Director shall provide
15 grants to eligible entities in an amount not to exceed 80
16 percent of the total cost of the plan.

17 (d) SELECTION.—In selecting recipients for grants
18 under this section, the Director shall consider, and give
19 preference to the extent practicable, the percentage of—

20 (1) students in the eligible entity's jurisdiction
21 eligible to receive free or reduced price lunch under
22 the Richard B. Russell National School Lunch Act
23 (42 U.S.C. 1751 et seq.); or

24 (2) household units in the eligible entity's juris-
25 diction receiving non-cash benefits under the supple-

1 mental nutrition assistance program under the Food
2 and Nutrition Act of 2008.

3 (e) AUTHORIZATION OF APPROPRIATIONS.—There
4 are authorized to be appropriated for grants under this
5 section \$400,000,000 for fiscal year 2020, to remain avail-
6 able through fiscal year 2021.

7 **SEC. 5. DEFINITIONS.**

8 In this Act:

9 (1) EDUCATIONAL SERVICE AGENCY.—The
10 term “educational service agency” has the meaning
11 given that term in section 8101 of the Elementary
12 and Secondary Education Act of 1965 (20 U.S.C.
13 7801).

14 (2) ELEMENTARY SCHOOL.—The term “elemen-
15 tary school” has the meaning given that term in sec-
16 tion 8101 of the Elementary and Secondary Edu-
17 cation Act of 1965 (20 U.S.C. 7801).

18 (3) ELIGIBLE ENTITIES.—The term “eligible
19 entities” means—

- 20 (A) an elementary school;
- 21 (B) a secondary school;
- 22 (C) a local educational agency;
- 23 (D) a State educational agency;
- 24 (E) an educational service agency; and

1 (F) any combination of the entities listed
2 in subparagraph consortia of such entities.

3 (4) LOCAL EDUCATIONAL AGENCY.—The term
4 “local educational agency” has the meaning given
5 that term in section 8101 of the Elementary and
6 Secondary Education Act of 1965 (20 U.S.C. 7801).

7 (5) STATE EDUCATIONAL AGENCY.—The term
8 “State educational agency” has the meaning given
9 that term in section 8101 of the Elementary and
10 Secondary Education Act of 1965 (20 U.S.C. 7801).

11 (6) SECONDARY SCHOOL.—The term “sec-
12 ondary school” has the meaning given that term in
13 section 8101 of the Elementary and Secondary Edu-
14 cation Act of 1965 (20 U.S.C. 7801).